

Test by: Effingham, IL

2023 Soybeans Top 30 Harvest Report

Illinois South [ILSO] FLORA, IL
Kent Warren, Wayne County, IL 62824

All-Season Test	Maturity Group 3.5 - 4.5 S2023ILSO02
Top 30 of 70	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Lexar, Accuron, Atrazine, Roundup
SOIL DESCRIPTION:	Cisne silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.6 pH, 2.3% OM, 11.1 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Prefix, Tendevo
FERTILITY - Applied N:	57 Spring
Applied N-P-K (units):	57-69-90
SEEDED - RATE - ROW:	May 3 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 21 101.7 /A

TEST COMMENTS:

This no-till location was planted into very heavy conditions in early May. Emergence was good. Weed control was excellent. Plant heights were above normal and most varieties showed good branching. The season's rains made the plants very heavy and a few varieties were leaning. Yields were very good and this was a stand out location for this region. Great test with a great cooperator.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH4093E3 ↗	E3	4.0	R	80.8	11.7	2	122.3	1010	1
AgriGold	G3804XF ↗	RXF,ST	3.8	R	75.7	12.0	87	91.3	946	2
AgriGold	G4430XF ↗	RXF,ST	4.4	R	75.2	11.6	1	102.3	940	3
Pioneer	P42A84E § ↗	E3	4.2	R	75.1	12.1	1	108.7	939	4
NK Brand	NK44-Q5E3S ↗	E3,ST	4.4	R	74.6	11.6	13	115.0	932	5
AgVenture	AV 39Y3E ↗	E3	3.9	MR	74.5	11.5	1	97.7	931	6
NK Brand	NK39-J2E3 § ↗	E3	3.9	MR	74.5	11.8	1	93.0	931	7
Stone	2XF3954-SR ↗	RXF,ST	3.9	R	74.2	11.7	4	94.7	928	8
NuTech	42N05E ↗	E3	4.2	R	74.1	11.4	2	138.0	926	9
AgVenture	AV 45Y8E ↗	E3	4.5	MR	73.6	11.8	2	103.7	920	10
Golden Harvest	GH4222XF ↗	RXF	4.2	R	73.3	11.9	1	128.3	916	11
Channel	4023RXF/SR GC ↗	RXF,ST	4.0	MR	73.2	11.7	11	114.7	915	12
Dyna-Gro	S45E10 ↗	E3,ST	4.5	R	72.5	11.9	2	113.0	906	13
Pioneer	P46A09E GC ↗	E3	4.6	NA	71.8	11.5	2	97.3	898	14
Asgrow	AG43XF2 GC ↗	RXF	4.3	NA	70.8	11.9	2	108.3	885	15
Asgrow	AG42XF1 GC ↗	RXF	4.2	R	70.7	11.9	36	99.3	884	16
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	70.6	11.7	17	106.7	882	17
NK Brand	NK42-A6E3S ↗	E3,ST	4.2	MR	70.1	12.0	1	83.7	876	18
Pioneer	P44A91E GC ↗	E3	4.4	NA	70.0	12.2	2	109.7	875	19
Asgrow	AG39XF3 GC ↗	RXF	3.9	R	69.9	11.4	2	99.0	874	20
Xitavo	XO 3752E ↗	E3,ST	3.7	R	69.7	11.4	1	120.7	871	21
Stine	37FD02 § ↗	RXF	3.7	R	69.4	11.9	4	110.0	868	22
Great Heart	GT-3894ES ↗	E3,ST	3.8	R	69.4	11.7	7	80.7	868	23
Stine	38EG32 § ↗	E3	3.8	R	69.3	11.4	1	124.0	866	24
AgriGold	G4393E3 ↗	E3,ST	4.3	R	69.3	11.6	2	91.3	866	25
NuTech	36N04E ↗	E3	3.6	R	69.0	11.4	1	106.7	862	26
NuTech	39N07E ↗	E3	3.9	R	68.9	11.3	2	119.3	861	27
FS HISOY	HS 39F30 ↗	RXF	3.9	R	68.9	11.7	1	98.0	861	28
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	68.8	11.7	7	131.7	860	29
DONMARIO	DM36F84S ↗	RXF,ST	3.6	R	68.7	11.6	1	113.3	859	30

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Averages = **66.6** **11.6** **7** **101.7** **830**

LSD (0.10) = 7.9 0.3 9

LSD (0.25) = 4.1 0.2 5

C.V. = 11.3

Historic yield: 52.39 bu/a, 8 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$12.50

Report Date: 10/21/2023

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at www.firstseedtests.com

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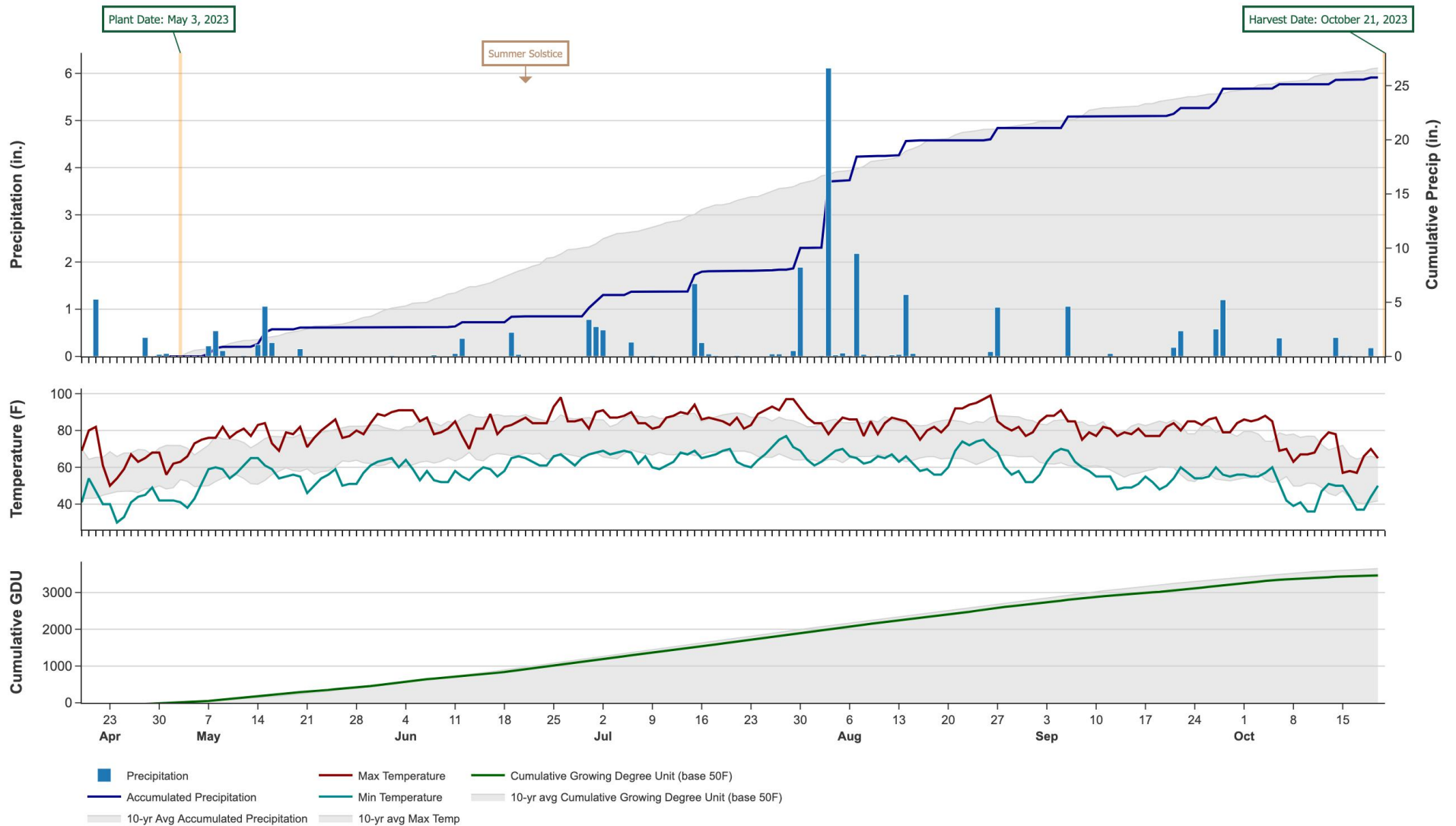
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2023 Soybeans - Illinois South [ILSO]

Weather Conditions Summary at FLORA, IL

Weather Data Retrieved: 10/21/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.7 2.6 (-1.0)	2.7 4.5 (-1.8)	1.8 6.1 (-4.3)	5.5 6.0 (-0.5)	11.1 5.3 (+5.8)	3.6 3.1 (+0.5)	1.0 2.0 (-1.0)	27.5 29.7 (-2.3)
GDU Avg (Diff)	88 105 (-17)	492 499 (-7)	650 746 (-96)	802 812 (-10)	731 768 (-37)	569 609 (-40)	232 246 (-14)	3564 3788 (-224)



* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

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All-Season Test Products (70 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgriGold	G3552XF	RXF,ST	R	3.5	ASfi,IL
AgriGold	G3804XF	RXF,ST	R	3.8	ASfi,SA
AgriGold	G4051E3	E3	R	4.0	ASfi,SA
AgriGold	G4393E3	E3,ST	R	4.3	ASfi,SA
AgriGold	G4430XF	RXF,ST	R	4.4	ASfi,SA
AgVenture	AV 38A1E	E3	MR	3.8	Lum,Lu,Lud,IL
AgVenture	AV 39Y3E	E3	MR	3.9	F,I,SA
AgVenture	AV 41Y5E	E3	MR	4.1	F,I,SA
AgVenture	AV 42A1E	E3	MR	4.2	Lum,Lu,Lud,IL
AgVenture	AV 45Y8E	E3	MR	4.5	Lum,Lu,IL
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG39XF3 GC	RXF	R	3.9	Untreated
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi,IL
Asgrow	AG40XF4 §	RXF	R	4.0	ACi,IL
Asgrow	AG42XF1 GC	RXF	R	4.2	Untreated
Asgrow	AG43XF2 GC	RXF	NA	4.3	Untreated
Asgrow	AG45XF3 GC	RXF,ST	R	4.5	Untreated
Burrus	3886F	RXF	R	3.8	BPS-SDS
Burrus	3966E	E3	R	3.9	BPS-SDS
Channel	3823RXF GC	RXF	MR	3.8	ACi,IL
Channel	4023RXF/SR GC	RXF,ST	MR	4.0	ACi,IL
DONMARIO	DM36F84S	RXF,ST	R	3.6	CMB-APX,SA
DONMARIO	DM40E44	E3	R	4.0	CMB-APX,SA
Dyna-Gro	S41EN72	E3	R	4.1	EQV,Sa,Va
Dyna-Gro	S42XF93S	RXF,ST	MR	4.2	EQV,Sa,Va
Dyna-Gro	S45ES10	E3,ST	R	4.5	EQV,Sa,Va
FS HiSOY	HS 35F20	RXF	R	3.5	ACi,SA
FS HiSOY	HS 37E10	E3,ST	R	3.7	ACi,SA
FS HiSOY	HS 38F20	RXF	R	3.8	ACi,SA
FS HiSOY	HS 39F30	RXF	R	3.9	ACi,SA
FS HiSOY	HS 40E30	E3	R	4.0	ACi,SA
FS HiSOY	HS 41E20	E3	R	4.1	ACi,SA
FS HiSOY	HS 43E30	E3,ST	R	4.3	ACi,SA
FS HiSOY	HS 45E00	E3	R	4.5	ACi,SA
Golden Harvest	GH3994E3 §	E3	MR	3.9	CMB-APX,SA
Golden Harvest	GH4093E3	E3	R	4.0	CMB-APX,SA
Golden Harvest	GH4214E3S	E3,ST	MR	4.2	CMB-APX,SA
Golden Harvest	GH4222XF	RXF	R	4.2	CMB-APX,SA
Golden Harvest	GH4433E3S	E3,ST	MR	4.4	CMB-APX,SA
Great Heart	GT-3665E	E3	R	3.6	Gr+
Great Heart	GT-3894ES	E3,ST	R	3.8	Gr+
Great Heart	GT-4005ES	E3,ST	R	4.0	Gr+

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Great Heart	GT-4320ES	E3,ST	R	4.3	Gr+
NK Brand	NK37-C1E3 §	E3	R	3.7	CMB-APX,SA
NK Brand	NK39-J2E3 §	E3	MR	3.9	CMB-APX,SA
NK Brand	NK42-A6E3S	E3,ST	MR	4.2	CMB-APX,SA
NK Brand	NK44-Q5E3S	E3,ST	R	4.4	CMB-APX,SA
NuTech	36N04E	E3	R	3.6	Lum,Lu,IL
NuTech	37N03E	E3	R	3.7	Lum,Lu,IL
NuTech	39N07E	E3	R	3.9	Lum,Lu,IL
NuTech	42N05E	E3	R	4.2	Lum,Lu,IL
NuTech	45N09E	E3	R	4.5	Lum,Lu,IL
Pioneer	P37A18E §	E3	MR	3.7	Lum, LumT, IL
Pioneer	P38A28E GC	E3	MR	3.8	Untreated
Pioneer	P38A54E §	E3	NA	3.8	Lum, LumT, IL
Pioneer	P42A84E §	E3	R	4.2	Lum, LumT, IL
Pioneer	P44A91E GC	E3	NA	4.4	Lum, LumT, IL
Pioneer	P46A09E GC	E3	NA	4.6	Lum, LumT, IL
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	38EG32 §	E3	R	3.8	ACi
Stine	40FD29 §	RXF	R	4.0	ACi
Stone	2XF3954-SR	RXF,ST	R	3.9	ACi,IL
Stone	2XF4533-SR	RXF,ST	R	4.5	ACi,IL
Xitavo	XO 3752E	E3,ST	R	3.7	PV,IL,OB,Rey
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey
Xitavo	XO 4084E	E3,ST	R	4.0	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4364E	E3,ST	R	4.3	PV,IL,OB,Rey
Xitavo	XO 4522E	E3	R	4.5	PV,IL,OB,Rey

Footnotes and Abbreviations Descriptions

Brand Footnotes

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybeans Technologies

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
ASfi,IL	AgriShield F+I, ILeVO, inoculant
ASfi,SA	AgriShield Max with Saltro®
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
F,I,SA	Fungicide, Insecticide, Saltro®
Gr+	Great Start Max Plus (Great Heart Seed)
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.